

Cardiology and Stroke

The MSc Cardiology and Stroke programme is lead by a medical lead for cardiology and stroke medicine who are both senior doctors and offers the opportunity to study all aspects of clinical cardiology including expert assessment and management of a range of cardiac conditions, cardiac interventions, interpretation and practical skills. Stroke content includes hyper acute stroke, thrombolysis, interpretation of CT and MRI, TIA management, maximising stroke care, rehabilitation and long term The programme can be regarded as vital training for the early stages of cardiology or stroke specialist training with clear learning objectives.

Teaching methods

Applied Clinical Assessment and Investigation in Cardiology and Stroke

This module aims to facilitate a critical understanding of the use of appropriate diagnostic tools to complement effective treatment and develop patient management plans. It also promotes a comprehensive knowledge and understanding of the presentation, pathophysiology and management of cardiac disease / stroke to help enable the assessment process. The module aims to promote an advanced level of knowledge and understanding of the clinical management of arrhythmia including atrial fibrillation and others commonly encountered. The evidence base and contemporary literature will be examined regarding effective assessment and the use of investigations in cardiology / stroke medicine.

Decision Making in Cardiology and Stroke

This module will focus on the development of high level, appropriate clinical decision –making skills and effective, timely management of stroke / cardiology related conditions in order to provide a comprehensive care management strategy to patients. Students will have the opportunity to practice their clinical decision-making skills, which may include the use of advanced patient simulators

and surrogate patients. The module aims to promote an understanding of and application of a range of appropriate therapeutic interventions (pharmacological and non-pharmacological) relevant to stroke / cardiology. Students will be familiarised with the use of a range of technical equipment (e.g. cardiac ultrasound, radiological imaging, pacing devices, defibrillators).

Specialist Masterclasses in Cardiology

This module will follow national and international recommendations and guidelines for the treatment of coronary artery disease, arrhythmias, heart failure, syncope, hypertension, mitral and aortic valve disease, and coronary revascularization. Cardiac investigations, primary and secondary prevention, managing risk, awareness raising, providing information, guidance & support. Urgent response. Management of angina, atrial fibrillation, valve disease, revascularisation, syncope, cardiac rehabilitation, secondary prevention, long-term care and support, assessment and review, return to work, end of life care. This module is available to access for students who are remote from the university.

Specialist Masterclasses in Stroke

This module will follow the Stroke Specific Educational Framework in its focus upon prevention, first contact, treatment & rehab and long-term support and review. The module will focus on prevention, managing risk, awareness raising, providing information, guidance & support and urgent response. The module will also focus on the management of trans-ischaemic attacks / stroke, high-quality specialist rehabilitation, seamless transfer of care, long-term care and support, assessment and review, return to work, and end of life care. This module is available to access for students who are remote from the university.

Structure

Year 1

- Applied Clinical Assessment & Investigation in Cardiology and Stroke
- Clinical Practice in Action

- Core Competencies in Medical Practice
- Decision Making & Management in Cardiology and Stroke
- Decision Making in Cardiology and Stroke
- Evidence Based Practice
- Expert Witness
- Health and Medical Education in the Workplace
- Health and Medical Simulation - Design and Delivery
- Healthcare Disciplines Project
- Leadership in Practice
- Medical Emergencies and Human Error- Managing Risk, Improving Services
- Service Improvement Project
- Specialist Masterclasses in Cardiology
- Specialist Masterclasses in Stroke
- Work Based Learning
- Work Based Learning in Health and Medical Practice
- Work Based Study: Professional Issues Related to Healthcare Practice

Entry requirements

A first degree in a healthcare discipline at 2.2 or above

Normally two years experience in a cardiology or stroke related field of practice.

Overseas students will need to satisfy the University's English Language requirement of IELTS 6.5 or above (or equivalent)

Fees & funding

UK/EU Students

Full time: £6,100 for the 2016 academic year

Part time: If you decide to study this course on a part time basis you will be charged £510 per 15 credits for the 2016 academic year

International Students

Full time: £12,000 for the 2016 academic year